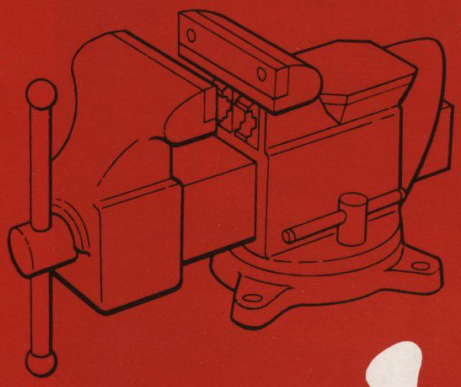
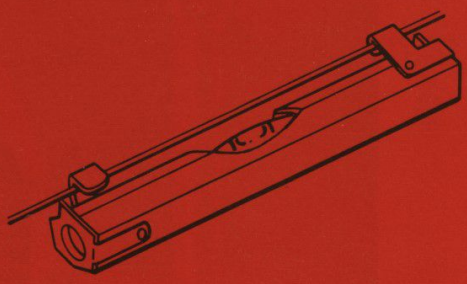
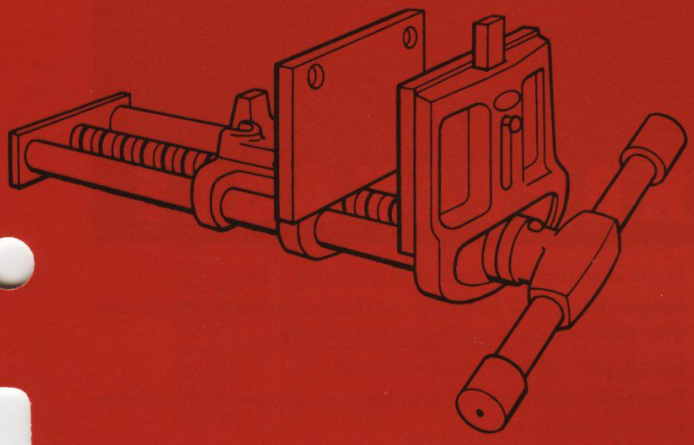
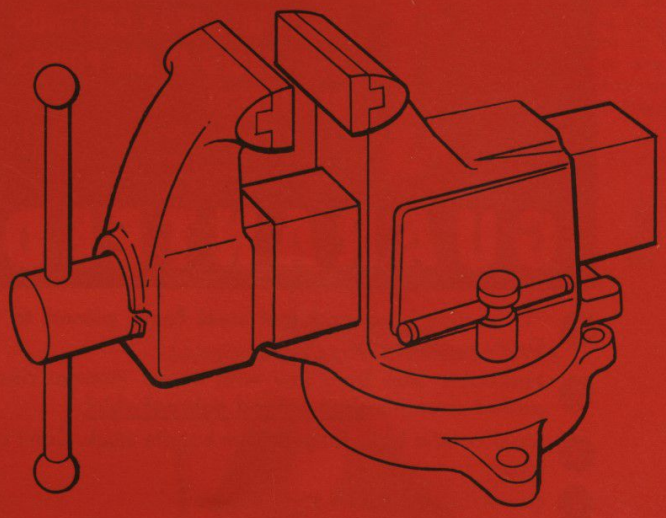
CATALOG NO. 65

COLUMBIAN VISES AND LEVELS



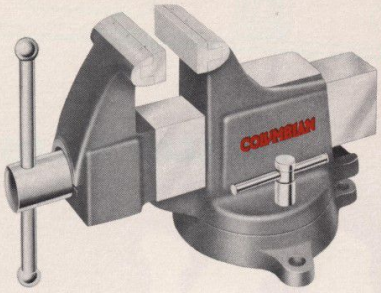




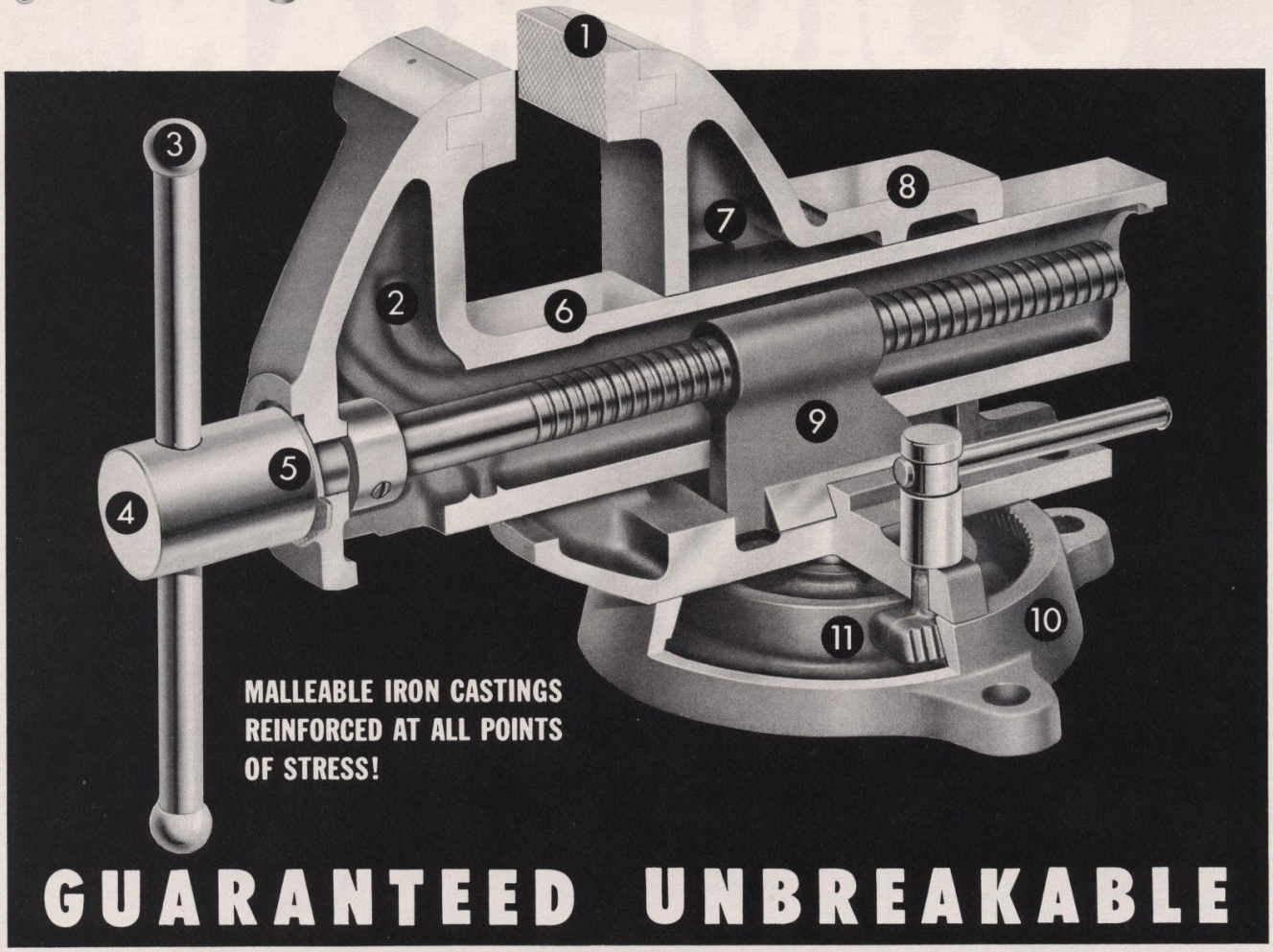


for best advice about **VISES** and **LEVELS** ... see your **COLUMBIAN** distributor

STRONGER • MORE POWERFUL • GUARANTEED UNBREAKABLE

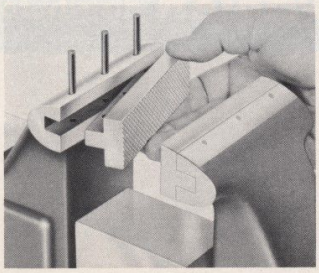


COLUMBIAN MACHINISTS' VISES



GUARANTEED UNBREAKABLE

1. "T" section hardened tool steel faces pinned to jaw. Easily replaceable.
2. Malleable iron front jaw with heavy internal ribs for added strength. Guaranteed unbreakable!
3. Steel handle balls forged from handle stock. Can't come loose.
4. Powerful cold-rolled steel screw.
5. Self-lubricating graphite bronze thrust bearing. Reduces friction. Prevents wear. Eliminates end play.
6. Front jaw beam covers and protects screw.
7. Longer back jaw body for perfect alignment. Malleable iron castings guaranteed unbreakable.
8. Large ground and polished anvil.
9. Precision-machined nut and back jaw keyway guarantee positive alignment.
10. Malleable iron base. Guaranteed unbreakable. Swivels full 360°.
11. Forged steel, tapered-gear lock bolt prevents slippage.

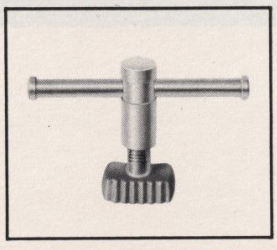


REPLACEABLE JAW FACES

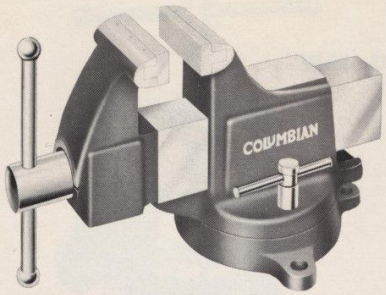
Among Columbian features are replaceable hardened tool steel "T" jaw faces. Drive pins anchor faces securely, so they cannot come loose, but are replaceable. Solid gripping surface covers entire jaw face area. Smooth jaw faces available without screw heads or screw holes in gripping face.

KIT CONVERTS STATIONARY TO SWIVEL BASE VISE

Columbian stationary base Machinists' Vises are easily converted to Swivel Base Vises by addition of the Columbian Swivel Kit. Swivel can be installed in 2 minutes. Kit includes swivel base, lock nut, lock bolt, center bolt, washer, bushing and plug cap. Danger of slipping is completely eliminated by forged steel, tapered-gear lock bolt.



COLUMBIAN SWIVEL BASE MACHINISTS' VISES

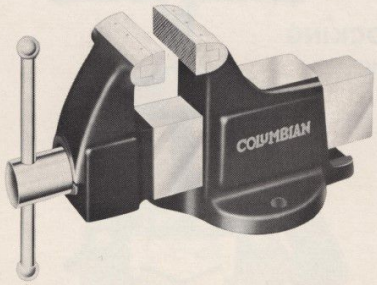


America's most popular machinists' vise. Swivels full 360°. Geared bolt and base plate afford positive lock against slippage. Malleable iron castings, guaranteed unbreakable. Steel handle balls forged from handle stock. Self-lubricating graphite bronze bearing. Replaceable hardened tool steel "T" jaw faces, securely fastened with drive pins. No holes in gripping face. All sizes, except 6" and 8", have ground and polished anvil.

Vise No.	Jaw Width In.	Jaw Opening In.	Throat Depth In.	Wt. Each Lbs.
603M2	3	4	3	25
603½M2	3½	5	3¼	35
604M2	4	6	3⅝	43
604½M2	4½	7	4⅛	57
605M2	5	8	4¼	70
606M2	6	10	4⅜	107
608M2	8	12	6	184

One in a carton

COLUMBIAN STATIONARY BASE MACHINISTS' VISES

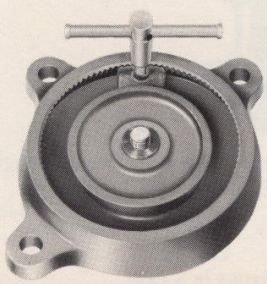


Flat base makes it unnecessary to cut bench. Malleable iron castings, guaranteed unbreakable. Steel handle balls forged from handle stock. Self-lubricating graphite bronze bearing. Replaceable hardened tool steel "T" jaw faces, securely fastened with drive pins. No holes in gripping face. All sizes, except 6" and 8", have ground and polished anvil.

Vise No.	Jaw Width In.	Jaw Opening In.	Throat Depth In.	Wt. Each Lbs.
503M2	3	4	3	21
503½M2	3½	5	3¼	30
504M2	4	6	3⅝	38
504½M2	4½	7	4⅛	49
505M2	5	8	4¼	60
506M2	6	10	4⅜	92
508M2	8	12	6	160

One in a carton

COLUMBIAN SWIVEL BASE KIT

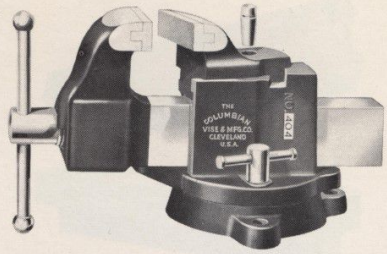


Converts Columbian stationary base vise to swivel base type. Can be installed in 2 minutes. Includes swivel base, lock nut, lock bolt, center bolt, washer, bushing and plug cap.

Kit No.	Fits Vise No.	Wt. Each Lbs.
563	**503M2**	4
563½	**503½M2**	5
564	**504M2**	5
564½	**504½M2**	8
565	**505M2**	10
566	**506M2**	15
568	**508M2**	24

One in a carton

COLUMBIAN ADJUSTABLE JAW SWIVEL BASE VISES

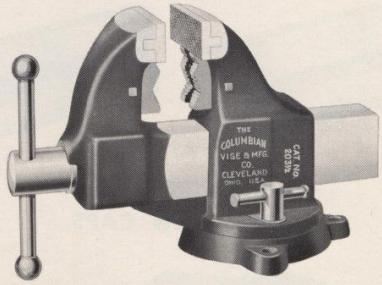


Ideal for wide range of work. Indispensable in tool room or shop. With pin in place, swivel back jaw is locked rigidly for use as parallel jaw vise. Removal of pin permits adjustment of back jaw to firm grip on irregular or tapering pieces. Malleable iron unbreakable castings. Steel handle balls forged from handle stock. Self-lubricating graphite bronze bearings. Hardened tool steel replaceable jaw faces. Sizes larger than 5 inches have 2 swivel clamping nuts.

Vise No.	Jaw Width In.	Jaw Opening In.	Throat Depth In.	Wt. Each Lbs.
403½	3½	5	3¼	36
404½	4½	6	4⅛	59
406	6	9	4⅜	120

One in a carton

COLUMBIAN COMBINATION PIPE SWIVEL BASE VISES

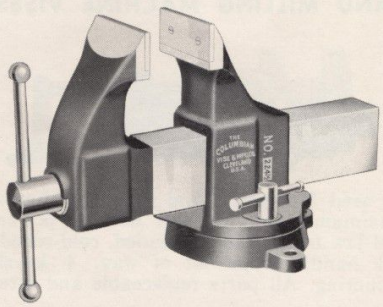


Tool steel pipe jaws heat treated to insure hardness and strength. 3 jaws are interchangeable; each has 2 working faces. Special pipe jaw design makes possible holding pipe down to ⅛ inch. Pipe jaws do not protrude beyond jaw faces. Other work can be held without removing pipe jaws. Malleable iron unbreakable castings. Steel handle balls forged from handle stock. Self-lubricating graphite bronze bearing.

Vise No.	Jaw Width In.	Jaw Opening In.	Throat Depth In.	Pipe Capacity In.	Wt. Each Lbs.
203½	3½	4	4	⅛ - 2½	38
204½	4½	5	5⅜	⅛ - 3½	61
205	5	6	6¼	⅛ - 4½	95
206	6	10	7⅛	⅛ - 6	162

One in a carton

COLUMBIAN SHEET METAL WORKERS' VISE

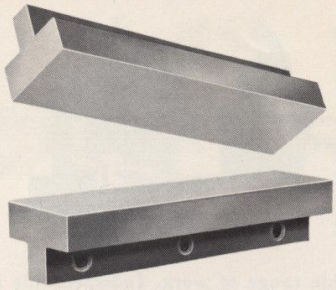


Specially designed for sheet metal work, wood working and body work. High tapering jaws with extra deep smooth faces. Malleable iron unbreakable castings. Replaceable steel jaw faces.

Vise No.	Jaw Width In.	Jaw Opening In.	Throat Depth In.	Wt. Each Lbs.
224½	4½	9	5⅞	63

One in a carton

SMOOTH JAW FACES FOR COLUMBIAN MACHINISTS' VISES



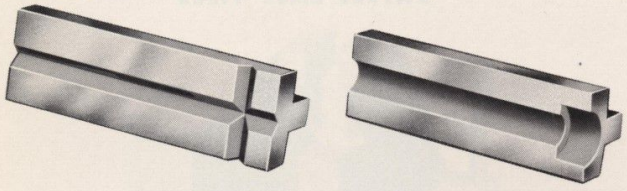
Smooth jaw faces of hardened tool steel can be fitted to any Columbian Machinists' Vise where standard knurled faces would mar aluminum, other soft metals or polished surfaces. T-Section design provides solid gripping surface covering entire jaw face area.

Smooth jaw faces are furnished at no additional charge on original vise orders.

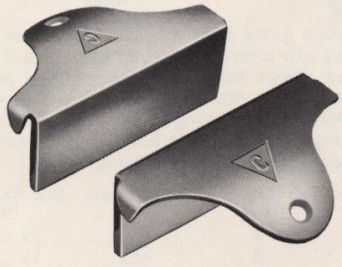
SPECIAL JAW FACES

Jaw face blanks of mild T-Section tool steel with machined tongue, drilled holes and dowel pins can be furnished for making special jaw faces to hold irregular shaped production work. Hardening instructions provided.

See typical examples below.



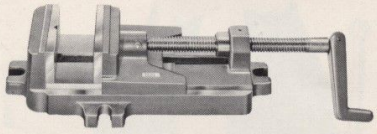
COLUMBIAN COPPER JAW CAPS



Fit snugly over jaws and cover knurled steel faces to prevent marring of soft materials. Easily installed and removed.

Jaw Width, In.	3	3½	4	4½	5	6

COLUMBIAN DRILL PRESS AND MILLING MACHINE VISES



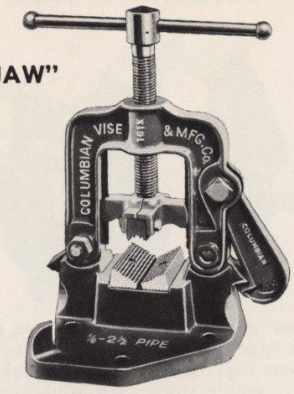
Eliminate need for special and expensive jigs and fixtures. Provide maximum clamping and holding power. Choice of plain or steel jaw faces. Acme-threaded, cold-rolled steel screw. Swivel crank handle drops out of way. 4 keyslots provide precision mounting. All parts replaceable and interchangeable.

Vise No.	Jaw Width In.	Jaw Depth In.	Jaw Opening In.	Jaw Style	Screw Diam. In.	Wt. Each Lb.
1513½	3½	1⅞	4½	Plain	¾	17½
1523½	3½	1⅞	3¾	Steel	¾	19
1515	5	2	6⅞	Plain	⅞	29½
1525	5	2	6	Steel	⅞	32

One in a carton

COLUMBIAN HINGED PIPE VISES

"LONG JAW"



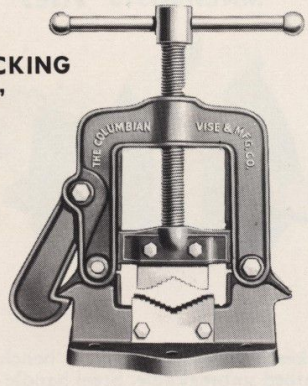
Hold pipe, conduit and thin wall tubing firmly without bending. Long-bearing heat-treated tool steel jaws prevent crushing and scoring. Lower pipe jaws, milled on both sides for double life, are securely fastened from top and reversed without removing vise from bench. Handy bender for small pipe, conduit tubing.

Vise No.	Pipe Capacity In.	Wt. Each Lbs.
160	⅛ - 2	8
161	⅛ - 2½	11
162	⅛ - 3½	17
163	⅛ - 4½	26

One in a carton

COLUMBIAN HINGED PIPE VISES

"INTERLOCKING JAW"



Replaceable tool steel pipe jaws, accurately milled and heat-treated for positive gripping and maximum life. Heavy-duty sizes have extra strength required for holding large-diameter work.

Vise No.	Pipe Capacity In.	Wt. Each Lbs.
16X	⅛ - 1½	5
Heavy Duty		
164X	⅛ - 6	37
165X	1 - 8	81
166X	1½ - 12	163

One in a carton

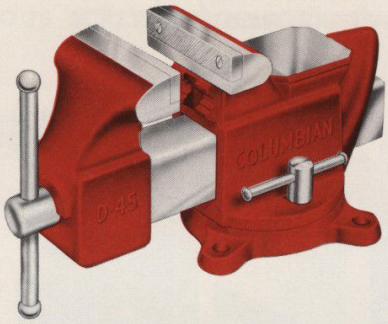
COLUMBIAN "KROMIRON" BENCH ANVIL

Made of shock-resisting "Kromiron" castings. Broad, tough face. Equipped with steel cut-off tool. Ideal for many jobs.

Anvil No.	Face In.	Horn In.	Base In.	Wt. Each Lbs.
9A	3 x 6	3	4 x 5½	9

Individual cartons. 6 cartons in a case.

COLUMBIAN WORKSHOP VISES

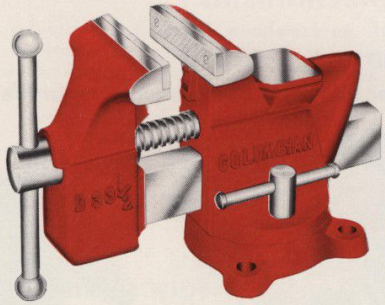


Heavy-duty channel steel front jaw beam covers screw. Extra large back jaw anvil and anvil horn. Cold-rolled steel screw. Handle balls forged from handle stock. Replaceable malleable iron nut, Acme thread. Replaceable heat-treated steel jaw faces. Permanent pipe jaws, positive "Tri-Grip" design. Positive locking swivel base, slip-handle lock nut. Polished jaws and anvil, bright red finish.

Vise No.	Jaw Width In.	Jaw Opening In.	Pipe Capacity In.	Wt. Each Lbs.
D43½	3½	4	⅛ - 1¼	16
D44	4	5	⅛ - 2	27
D45	5	6	⅛ - 2½	38

Individual cartons. D43½ packed 5 in case. D44 packed 1 in case. D45 packed 1 in case.

COLUMBIAN HOMESHOP VISES

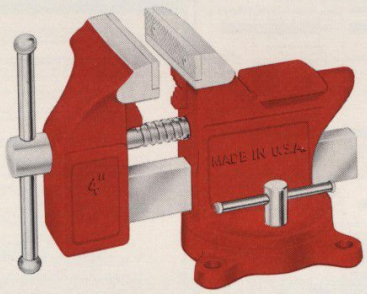


Extra heavy steel beam. "Balanced" castings for super strength. Extra large back jaw anvil and anvil horn. Cold-rolled steel screw. Slip-proof screw collar. Handle balls forged from handle stock. 3-point "Tri-Grip" permanent pipe jaws. Positive locking swivel base, with slip-handle lock nut. Polished jaws and anvil, bright red finish.

Vise No.	Jaw Style	Jaw Width In.	Jaw Opening In.	Pipe Capacity In.	Wt. Each Lbs.
D33½	Steel	3½	4	⅛ - 1¼	13
D63½	Plain	3½	4	⅛ - 1¼	13

Individual cartons. 5 cartons in a case.

COLUMBIAN HOMESHOP VISES



Outstanding values. Sturdy, reliable, inexpensive. Replaceable faces. Handle balls forged from handle stock. Cold forged steel screw. Positive locking swivel base. Large anvil and horn. Polished jaws. Screw, handle, lock nut bright zinc plate. Permanently cast double pipe grips in front jaw, single in back.

Vise No.	Jaw Width In.	Jaw Depth In.	Jaw Opening In.	Pipe Capacity In.	Wt. Each Lbs.
03½	3½	2⅛	3	⅛ - 1	10
04	4	2¼	4	⅛ - 1¼	13

Individual cartons. 03½ packed 10 in case. 04 packed 5 in case.

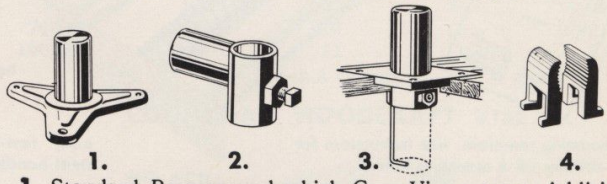
COLUMBIAN GYRO-VISE

For every home or shop job. Stands upright or lays flat on either side. Rotates around base. Locks automatically in any position. Ideal for carpentry, sanding, sawing, tool sharpening, carving. Smooth, positive-grip, mar-free jaw faces.

Vise No.	Jaw Width In.	Jaw Depth In.	Jaw Opening In.	Pipe Capacity In.	Height In.	Wt. Each Lbs.
73½	3½	2½	5	⅛-1½	8½	16½

Individual cartons.

GYRO-VISE ATTACHMENTS



1. **2.** **3.** **4.**

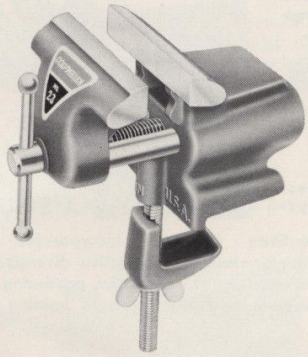
1. Standard Base around which Gyro-Vise rotates. Additional bases can be placed in different locations and vise moved from job to job. Weight, 1¾ lbs.

2. Angle Adapter permits operation of Gyro-Vise in a vertical arc. Weight, 2¼ lbs.

3. Flush Base for applications where it is desirable to keep working surface free of obstacles. Wt., 4¾ lbs.

4. Replaceable pipe jaws. Weight (set of 2), 1 lb.

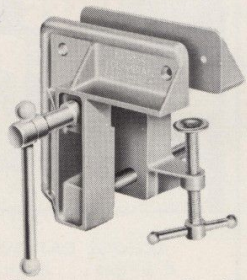
COLUMBIAN CLAMP VISE



Ideal for home shop or serviceman. Fits bench, table or block up to 2¼ inches thick. Unbreakable ⅜ inch steel clamping stud. Power-grip cantilever foot. Fully-machined jaws. Smooth faces. V groove jaws for holding rounds. Accurately-threaded steel screw located below guide rods so work resting on rods cannot touch screw. Handy anvil. Gray and bright-plated finish.

Vise No.	Jaw Width In.	Jaw Depth In.	Jaw Opening In.	Wt. Each Lbs.
23	3	1½	2⅜	3¼

Individual cartons. 10 cartons to a case.



COLUMBIAN CARPENTER'S VISE

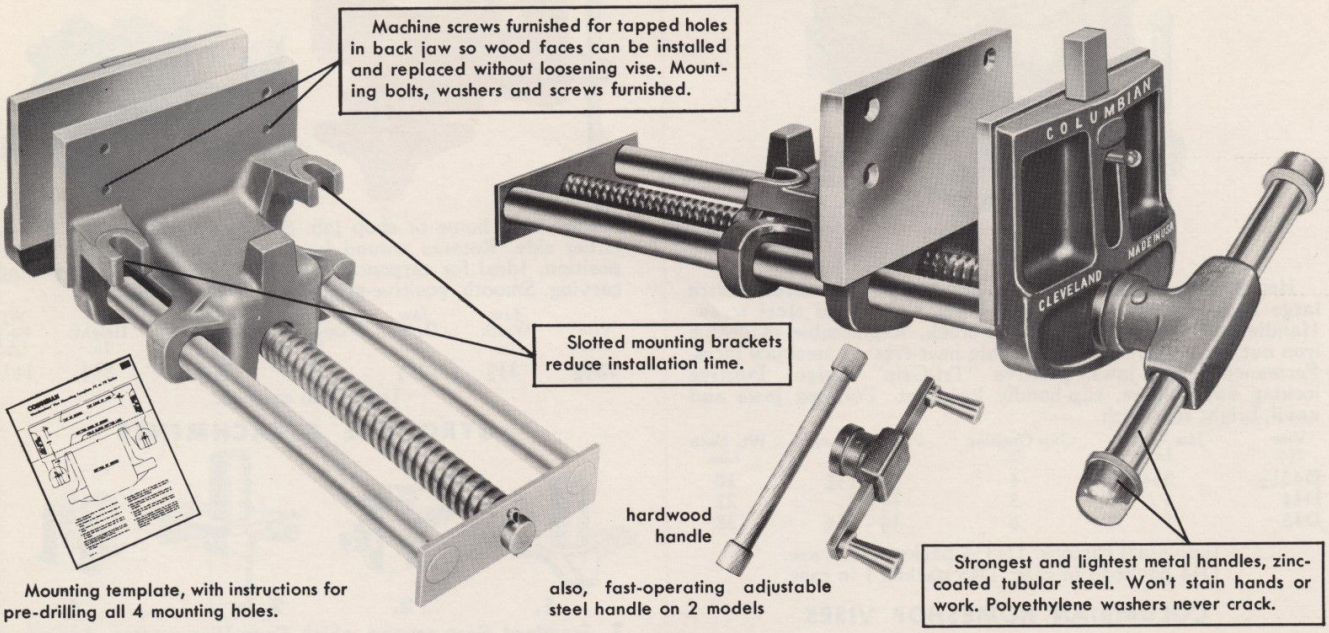
Clamps on anything, including 2¼ inch bench. Cast aluminum alloy jaws open 3½ inches to hold 2 x 4. Tool steel feed screws and guide pin. Easily carried in carpenter's kit. Smooth jaw faces. Drilled for wood faces.

Vise No.	Jaw Size In.	Jaw Opening In.	Wt. Each Lbs.
1655	5 x 5	3½	2¾

One in a box. 6 to a carton.

COLUMBIAN Woodworkers' VISES

modern vises for all of today's needs


Machine screws furnished for tapped holes in back jaw so wood faces can be installed and replaced without loosening vise. Mounting bolts, washers and screws furnished.
Slotted mounting brackets reduce installation time.
hardwood handle
COLUMBIAN
CLEVELAND
MADE IN U.S.A.

Mounting template, with instructions for pre-drilling all 4 mounting holes.

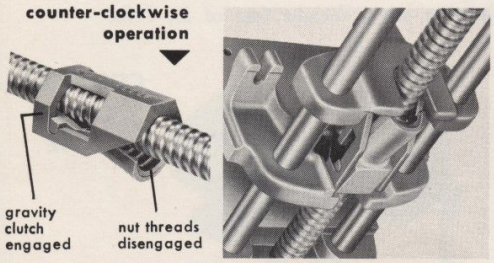
also, fast-operating adjustable steel handle on 2 models

Strongest and lightest metal handles, zinc-coated tubular steel. Won't stain hands or work. Polyethylene washers never crack.

Choice of 2 Continuous Screw Mechanisms . . .

RAPID ACTING

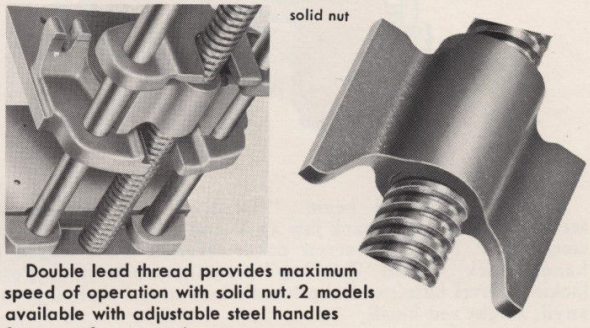
. . . for fast and frequent changes in jaw opening



"Power-Slide" mechanism incorporates a gravity friction clutch. Counter-clockwise operation disengages nut. Clockwise operation engages 180° half nut, producing continuous inward jaw movement and high pressure holding without slippage.

SOLID NUT

. . . for maximum strength and longest life



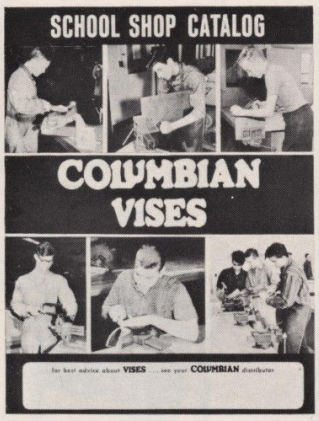
Double lead thread provides maximum speed of operation with solid nut. 2 models available with adjustable steel handles for extra fast operation.

New Feature of All COLUMBIAN Woodworkers' Vises

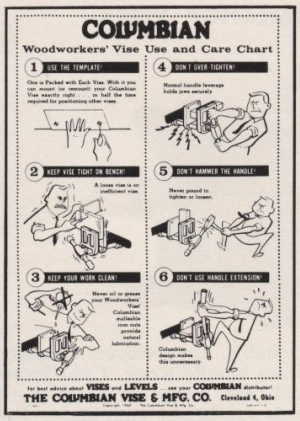
NEW

Graphite bronze thrust bearing constantly lubricates screw head without oil or grease.

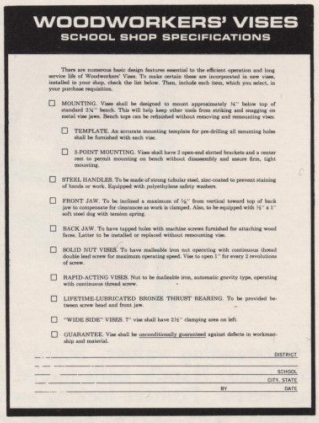
Teaching Aids Help Schools Use Vises More Efficiently



SCHOOL CATALOG
8 pages . . . illustrations of vises at work . . . vise specifications

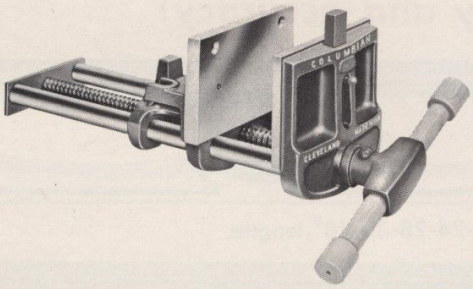

COLUMBIAN
Woodworkers' Vise Use and Care Chart
1 USE THE TEMPLATE!
2 KEEP VISE TIGHT ON BENCH!
3 KEEP YOUR WORK CLEAN!
4 DON'T OVER TIGHTEN!
5 DON'T HAMMER THE HANDLE!
6 DON'T USE HANDLE EXTENSION!
THE COLUMBIAN VISE & MFG. CO. Cleveland 4, Ohio

USE AND CARE CHARTS
8½ x 11 inches for notebook use . . . 16 x 22 inch bulletin board posters



SPECIFICATIONS
List basic design features essential to efficient vise operation, long service life

COLUMBIAN RAPID ACTING CONTINUOUS SCREW WOODWORKERS' VISES



For use where changes in jaw openings must be made frequently and fast. Clockwise operation engages "Power-Slide" mechanism with continuous thread screw for unrestricted inward motion and holding power. Counter-clockwise operation disengages mechanism for "fast sliding" adjustment of jaw opening. Vises furnished with dog type front jaw for use with bench stops.

Vise No.	Jaw Size In.	Jaw Opening In.	Handle Type	Wt. Each Lbs.
7RDW	4 x 7	9	Wood	27
7RDT	4 x 7	9	Steel	28
10RDW	4 x 10	12	Wood	33
10RDT	4 x 10	12	Steel	34

One in a carton

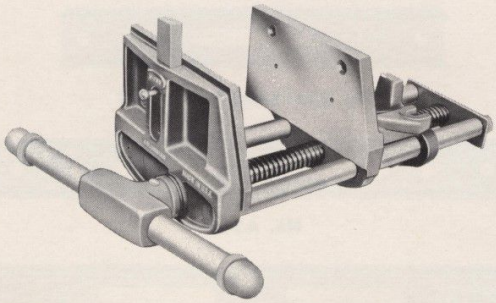
COLUMBIAN SOLID NUT CONTINUOUS SCREW WOODWORKERS' VISES

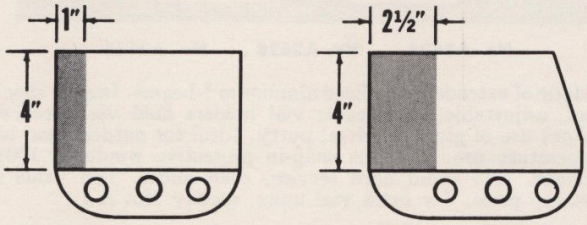
For general industrial and school woodworking. Heavy steel screw with double lead, fast running thread provides maximum operating speed. Solid nut assures long, repair-free life. Vises furnished with dog type front jaw for use with bench stops.

Vise No.	Jaw Size In.	Jaw Opening In.	Handle Type	Wt. Each Lbs.
7CDW	4 x 7	9	Wood	27
7CDT	4 x 7	9	Steel	28
10CDW	4 x 10	12	Wood	33
10CDT	4 x 10	12	Steel	34

One in a carton

COLUMBIAN "WIDE-SIDE" VISES





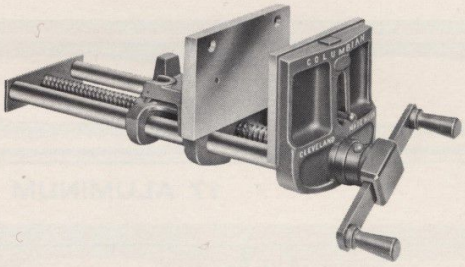
Conventional 7" Vise **Columbian 7" "Wide-Side"**

7 inch Woodworkers' Vises with 2½ inch clamping area on the left side where it is needed most. Clamping area is 2½ times that of conventional 7 inch Woodworkers' Vises. Dog type front jaw for use with bench stops.

Vise No.	Jaw Size In.	Jaw Opening In.	Nut Type	Handle Type	Wt. Each Lbs.
V-7RDW	4 x 7	9	Rapid Act.	Wood	29
V-7RDT	4 x 7	9	Rapid Act.	Steel	30
V-7CDW	4 x 7	9	Solid	Wood	29
V-7CDT	4 x 7	9	Solid	Steel	30

One in a carton

COLUMBIAN SOLID NUT CONTINUOUS SCREW WOODWORKERS' VISES WITH ADJUSTABLE STEEL HANDLES



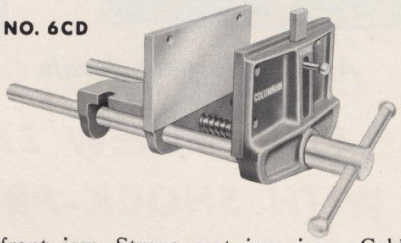
Adjustable steel handle greatly increases operating speed. Handle is held in desired position by tension spring in head. With handle centered, speed comparable to a rapid-acting vise is possible. Extension of handle gives leverage to tighten vise. Dog type front jaw.

Vise No.	Jaw Size In.	Jaw Opening In.	Jaw Style	Wt. Each Lbs.
7CDS	4 x 7	9	Dog	27
10CDS	4 x 10	12	Dog	33

One in a carton

COLUMBIAN WOODCRAFT VISE

NO. 6CD



Dog in front jaw. Strong cast iron jaws. Cold-rolled steel screw, screw head and malleable iron nut. Zinc-plated steel handles with balls forged from handle stock. Holes for wood faces. Fits bench up to 2¼ inches.

Vise No.	Jaw Size In.	Jaw Opening In.	Wt. Each Lbs.
6CD	3 x 6	7	10

One in a carton

COLUMBIAN WOODCRAFT VISE

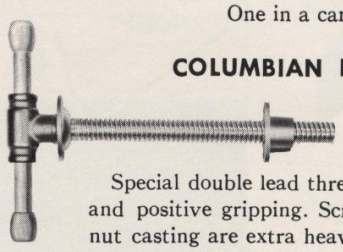
NO. 6C

Perfect for homeshop. Fabricated steel jaws. Plated cold-rolled steel screw and screw head. Malleable iron nut. Chrome-plated steel handles with balls forged from handle stock. Holes for wood faces. Fits bench up to 2¼ inches.

Vise No.	Jaw Size In.	Jaw Opening In.	Wt. Each Lbs.
6C	3 x 6	7	10

One in a carton

COLUMBIAN BENCH SCREWS

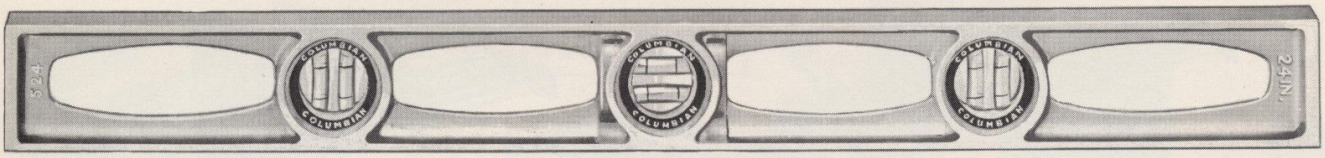


Special double lead thread provides maximum speed and positive gripping. Screw head thrust washer and nut casting are extra heavy. Hardwood handle.

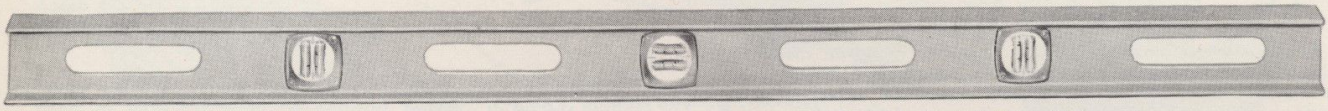
Diameter In.	Length In.	Wt. Per Doz., Lbs.
1	16	65
1⅛	16	80
1¼	17	90

COLUMBIAN LEVELS

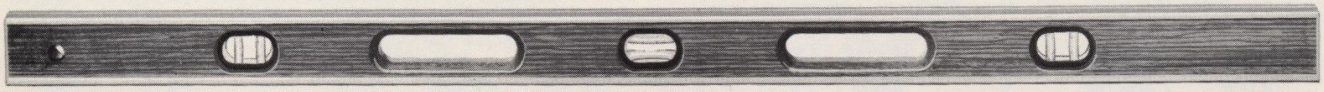
set new standards of quality and accuracy!



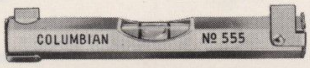
17 ALUMINUM LEVELS . . . 18-24-28-30-48″ lengths.

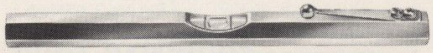


7 MAGNESIUM LEVELS . . . 24-28-30-48-72-78-96″ lengths.



11 WOOD LEVELS . . . 18-24-28-48″ lengths.

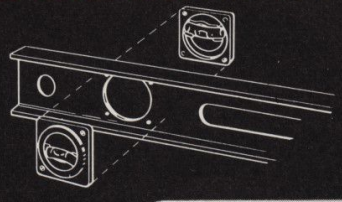




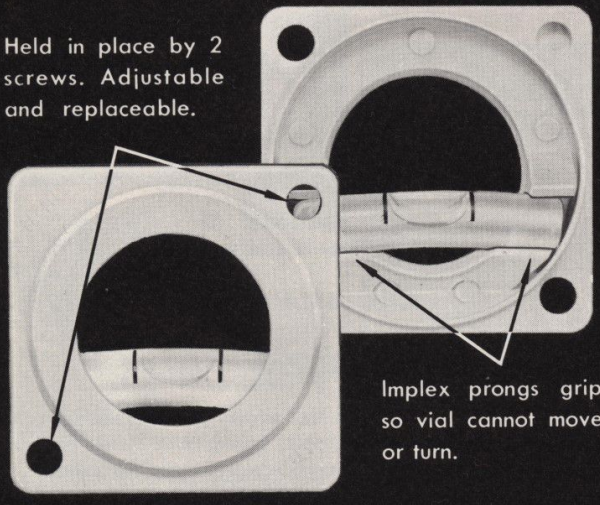
Also—4 torpedo levels . . . 2 line and surface levels . . . 1 pocket level

PLUS 6 NEW EXTRUDED ALUMINUM LEVELS WITH SHOCK-PROOF IMPLEX® VIAL HOLDERS

NEW IMPLEX® VIAL HOLDERS ASSURE PRECISION ACCURACY

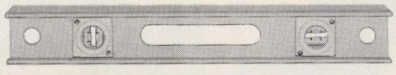


Held in place by 2 screws. Adjustable and replaceable.

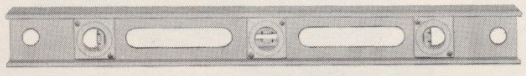


Implex prongs grip so vial cannot move or turn.

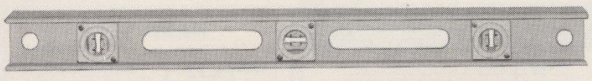
COLUMBIAN "SERIES A" ALUMINUM LEVELS



No. A2418 and No. A2424



No. A3424



No. A3624 . . . No. A3628 . . . No. A3648

Made of extruded, anodized aluminum I-beams. Implex shock-proof, adjustable, replaceable vial holders hold vials securely without use of glues, binders, putty. Ideal for outdoor and low temperature use. Plexiglas snap-in protective windows. 100% accurate. Will stand hard service, even abuse. Top value at economy price. For extra vial units, specify No. A-1.

Level No.	Size In.	No. Plumbs	No. Levels	Wt. Each Lbs.
A2418	¾ x 2⅛ x 18	2	2	¾
A2424	¾ x 2⅛ x 24	2	2	1
A3424	¾ x 2⅛ x 24	2	2	1
A3624	¾ x 2⅛ x 24	4	2	1
A3628	¾ x 2⅛ x 28	4	2	1¼
A3648	¾ x 2⅛ x 48	4	2	2

One in certified shipping carton.

43 different sizes and types to match any requirement

COLUMBIAN PROCRAFT ALUMINUM LEVELS

No. 518

No. 518A . . . No. 524A

No. 524 . . . No. 528 . . . No. 530 . . . No. 548

Special aluminum alloy castings assure maximum accuracy, strength and handling ease. Machined on all sides. Edges filed smooth. Vials give accurate reading from either edge. Metallic-sealed vials solid set in special cement. No need for adjusting. Vials protected on both sides by extra heavy glass lenses.

Level No.	Size In:	No. Plumbs	No. Levels	No. 45° Vials	Wt. Each Lbs.
518	1 x 2¼ x 18	2	2	0	1½
518A	1 x 2¼ x 18	1	2	1	1½
524A	1 x 2¼ x 24	1	2	1	2
524	1 x 2¼ x 24	4	2	0	2
528	1 x 2¼ x 28	4	2	0	2½
530	1 x 2¼ x 30	4	2	0	2⅝
548	1 x 2¼ x 48	4	2	0	3½

One in Certified "Levelpack" Shipping Carton

COLUMBIAN "CHALLENGE" ALUMINUM LEVELS

No. 4518 and No. 4524

No. 6524 and No. 6528

Outstanding value. Top quality, full size, die cast frames. Attractive blue. Bright machined edges. Ruled top edge. Readings from either edge. Solid-set catseye metallic-sealed vials protected on both sides by heavy glass lenses.

Level No.	Size In.	No. Plumbs	No. Levels	Wt. Each Lbs.
4518	1 x 2⅛ x 18	2	2	1
4524	1 x 2⅛ x 24	2	2	1½
6524	1 x 2⅛ x 24	4	2	1½
6528	1 x 2⅛ x 28	4	2	1¾

One in Certified "Levelpack" Shipping Carton

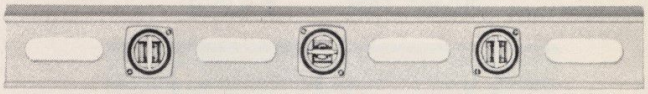
COLUMBIAN TARGET LEVEL

When the bubble's in the bullseye, it's level. Levels in all directions. Thousands of home and industrial uses. 1¾ in. diameter. Accurate, shock-proof, weather-proof, scratch-proof. Molded of crystal clear Plexiglas Acrylic Plastic. Virtually unbreakable. Pre-drilled for mounting on any flat surface.

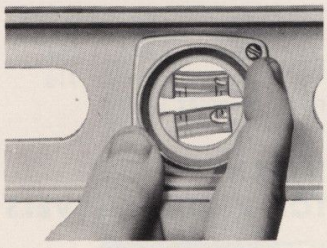
Level No.	Level Diameter	Wt. Each Oz.
777	1¾"	¾

One on display card. 10 cards to box.

COLUMBIAN MAGNESIUM LEVELS



Made of extruded magnesium I-beams. Extremely lightweight, ⅓ lighter than aluminum. Easier to carry and use. Virtually unbreakable. Will last a lifetime. Unaffected by heat, cold, moisture. Edges and sides absolutely smooth, parallel, 100% true. 24-28-30-48 in. levels have 6 vials. 72-78-96 in levels have 10 vials.



A single 2-piece vial assembly attaches to each side of level. In case of accident, user can adjust or replace single vial quickly, without removing other. Because of exclusive Columbian design, screws can be tightened without disturbing adjustment. In ordering, specify Vial Assembly No. 701A.

Level No.	Size In.	No. Plumbs	No. Levels	Wt. Each Lbs.
724	1⅛ x 2⅝ x 24	4	2	1¾
728	1⅛ x 2⅝ x 28	4	2	2
730	1⅛ x 2⅝ x 30	4	2	2¼
748	1⅛ x 2⅝ x 48	4	2	3¼
772	1⅛ x 2⅝ x 72	6	4	5
778	1⅛ x 2⅝ x 78	6	4	5¼
796	1⅛ x 2⅝ x 96	6	4	6½

One in Certified "Levelpack" Shipping Carton

COLUMBIAN ALUMINUM POCKET LEVEL

For use on lines, shafting, pipe. Also for leveling stoves, refrigerators, pictures, TV, appliances. ⅜ inch hard drawn hex colored aluminum tubing, 5¼ in. long. Pencil clip. Display box contains 4 each of red, blue, gold.

Level No.	Length In.	Wt. Per Doz., Lbs.
556	5¼	¾

12 in a carton

COLUMBIAN ALUMINUM TORPEDO LEVEL

Die cast. Unusually accurate and shock resistant. 1 plumb, 1 level, 1-45° vial. Bottom of aluminum body precision-grooved for aligning on pipe or shafting. 9 in. long 1⅛ in. high, only ⅝ in. wide at widest point. Perfect for carrying in pocket. Individually packaged in clear plastic sleeves for pegboard display.

Level No.	Size In.	No. Plumbs	No. 45° Vials	No. Levels	Wt. Per 10, Lbs.
339	⅝ x 1⅛ x 9	1	1	1	3

10 in a carton

COLUMBIAN "COMPACT" ALUMINUM TORPEDO LEVEL

Lightweight. Hand-fitting. Die cast. Attractive blue frame. Ideal for plumbers, mechanics, electricians, home craftsmen. Precision grooved base for aligning on pipe or shafting. Packaged in clear plastic pouch for pegboard display.

Level No.	Size In.	No. Plumbs	No. 45° Vials	No. Levels	Wt. Per 10, Lbs.
39	⅝ x 1⅛ x 9	1	1	1	3

10 in a carton

COLUMBIAN CARPENTERS' WOOD LEVELS

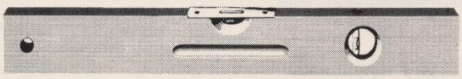
SUGAR PINE . . . 4 VIALS

Easy-to-read metallic-sealed vials are protected with heavy glass lenses. Sugar pine is top quality California kiln-dried, finished in clear varnish.

Level No.		Size In.	No. Plumbs	No. Levels	Wt. Each Lbs.
424	**-plain**	1⅛ x 2⅜ x 24	2	2	1¼
428	**-plain**	1⅛ x 2⅜ x 28	2	2	1½

One in Certified "Levelpack" Shipping Carton

COLUMBIAN GENERAL PURPOSE TOP READING LEVELS



One metallic-sealed plumb. One level with aluminum plate. Made of kiln-dried pine. Convenient finger grips and hang hole. For general utility, home workshop and daily job use. Economically priced, they offer the utmost in level value and dependability.

Level No.	Size In.	No. Plumbs	No. Levels	Wt. Each Lbs.
2018	1⅛ x 2⅜ x 18	1	1	¾
2024	1⅛ x 2⅜ x 24	1	1	1

6 in a carton

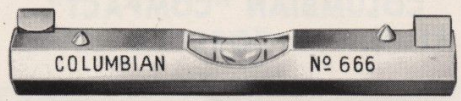
COLUMBIAN ALUMINUM LINE AND SURFACE LEVEL

Made of hand drawn ⅜ in. hex tubing, 3 in. long. Exceptionally light. For determining foundation grades, laying pipe, brick, hedge trimming. Used by field engineers, masons, cement workers, carpenters, mechanics. One piece nickel silver hooks and end caps riveted to body for maximum strength, accuracy and durability. Hook design prevents level from falling off line. Each level mounted on blue and yellow pegboard display card.

Level No.	Length In.	Wt. Per 10, Lbs.
555	3	½

10 in a carton

COLUMBIAN ALUMINUM LINE AND SURFACE LEVEL

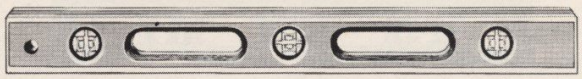


Economy leader. Levels from hooks or base. Made of ⅜ in. hex tubing, 3 in. long. Hooks embedded in plaster and precision formed to prevent falling off line. For determining foundation grades, laying pipe, brick, hedge trimming. Used by field engineers, masons, cement workers, carpenters, mechanics. Each level mounted on red and yellow pegboard display card.

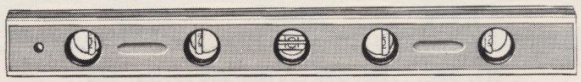
Level No.	Length In.	Wt. Per 10, Lbs.
666	3	½

10 in a carton

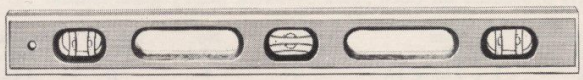
COLUMBIAN MASONS' WOOD LEVELS



6 vials . . . round lens . . . open grip
Plain—S48
Brass End—S48BE
Brass Bound—M48BB



6 vials . . . round lens . . . closed grip
Brass Bound—1648BB



6 vials . . . oval lens . . . open grip
Plain—2648
Brass End—2648BE
Brass Bound—5648BB

Easy-to-read metallic-sealed vials are protected with heavy glass lenses. Sugar pine is top quality California kiln-dried, finished in clear varnish. Mahogany is genuine top stock, carefully selected and kiln-dried. Brass bound levels have precision-rolled, double-angle, channel grip, screwless binding that cannot come loose, assures maximum accuracy and long life. All levels are 1⅛ x 2⅜ x 48 in.

Level No.		Wood Stock	No. Plumbs	No. Levels	Wt. Each Lbs.
S48	**-plain**	sugar pine	4	2	3
S48BE	**-brass end**	sugar pine	4	2	3¼
M48BB	**-brass bound**	mahogany	4	2	4½
1648BB	**-brass bound**	mahogany	4	2	4½
2648	**-plain**	sugar pine	4	2	3
2648BE	**-brass end**	sugar pine	4	2	3¼
5648BB	**-brass bound**	mahogany	4	2	4¼

One in Certified "Levelpack" Shipping Carton.

COLUMBIAN HARDWOOD TORPEDO LEVELS

No. 209

No. 309

Accurate, handy size, 9 in. long levels for industrial and home workshop use. Tapered, streamline shape, pocket size. Aluminum top plate.

Level No.	Size In.	No. Plumbs	No. 45° Vials	No. Levels	Wt. Per Doz., Lbs.
209	¾ x 1¼ x 9	1		1	2¼
309	¾ x 1¼ x 9	1	1	1	2½

12 in a carton

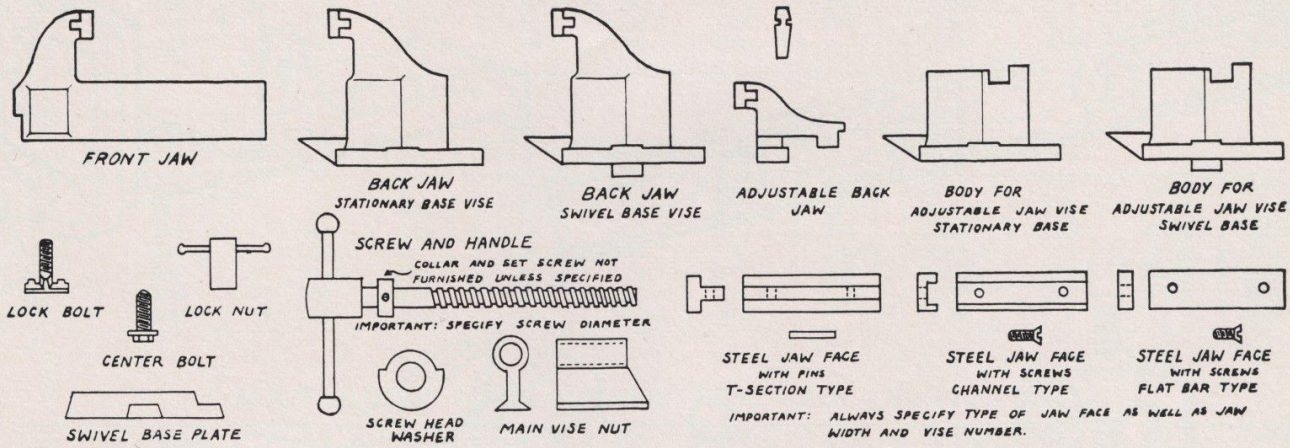
PARTS ORDER INSTRUCTION

When ordering repair parts, always list the following information:

1. Vise Model No.
2. Part Name
3. Jaw width and type of jaw faces. For example, "T" section, channel or flat bar.

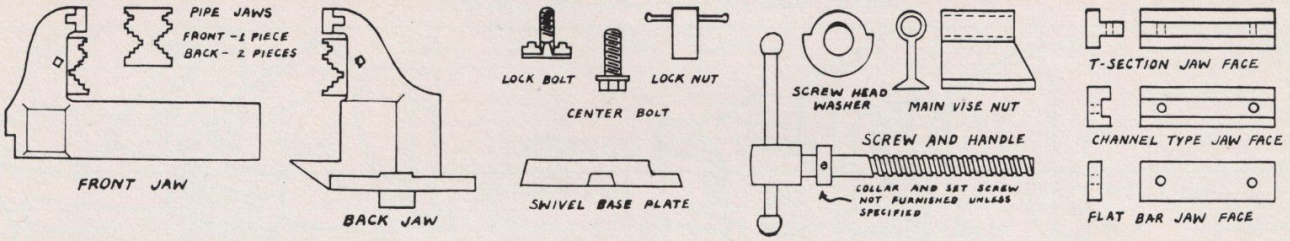
Constant improvements in Columbian Vises have naturally resulted in specification changes, over the years, without corresponding changes in catalog numbers. The above information will enable us to furnish correct parts for all vises, regardless of age.

PART LIST FOR COLUMBIAN MACHINISTS', HEAVY CHIPPING, AND BODYMAKERS' VISES


FRONT JAW
BACK JAW
STATIONARY BASE VISE
BACK JAW
SWIVEL BASE VISE
ADJUSTABLE BACK JAW
BODY FOR ADJUSTABLE JAW VISE STATIONARY BASE
BODY FOR ADJUSTABLE JAW VISE SWIVEL BASE
SCREW AND HANDLE
COLLAR AND SET SCREW NOT FURNISHED UNLESS SPECIFIED
IMPORTANT: SPECIFY SCREW DIAMETER
LOCK BOLT
LOCK NUT
CENTER BOLT
SWIVEL BASE PLATE
SCREW HEAD WASHER
MAIN VISE NUT
STEEL JAW FACE WITH PINS T-SECTION TYPE
STEEL JAW FACE WITH SCREWS CHANNEL TYPE
STEEL JAW FACE WITH SCREWS FLAT BAR TYPE
IMPORTANT: ALWAYS SPECIFY TYPE OF JAW FACE AS WELL AS JAW WIDTH AND VISE NUMBER.

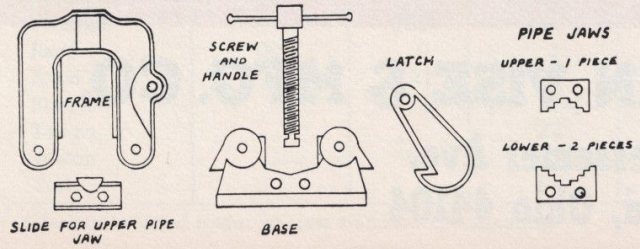
Width of Vise Jaw	Steel Jaw Face (Pair)	Screw and Handle	Collar and Set Screw	Screw Head Washer	Main Vise Nut	Swivel Base Plate	Center Bolt for Swivel Base	Lock Bolt for Swivel Base	Lock Nut for Swivel Base	Front Jaw	Back Jaw	Body for Adjust. Jaw Vise	Swivel Back Jaw	Taper Pin for Swivel Back Jaw
3	7.20	6.00	1.00	.60	2.00	8.00	1.50	2.00	1.80	15.00	15.00	—	—	—
3½	7.50	7.20	1.10	.70	2.40	10.00	1.80	2.00	1.80	17.00	17.00	18.00	15.00	1.20
4	8.40	9.00	1.20	.90	3.00	12.00	2.10	2.00	1.80	20.00	20.00	22.00	17.00	1.20
4½	9.00	12.00	1.20	.90	3.00	14.00	2.40	2.00	1.80	24.00	24.00	27.00	20.00	1.20
5	10.00	15.00	1.50	1.20	4.50	22.00	2.70	3.60	3.00	30.00	30.00	—	—	—
6	12.60	24.00	1.80	1.50	6.00	28.00	3.60	3.60	3.00	60.00	60.00	65.00	30.00	2.40
8	16.00	36.00	2.40	1.80	10.50	60.00	5.25	3.60	3.00	110.00	110.00	—	—	—

PART LIST FOR COLUMBIAN COMBINATION PIPE VISES



Vise No.	Steel Jaw Face (Pair)	Pipe Jaws Set (3)	Pipe Jaws (Single)	Screw and Handle	Collar and Set Screw	Screw Head Washer	Main Vise Nut	Swivel Base Plate	Center Bolt and Washer	Swivel Lock Nut	Swivel Lock Bolt	Front Jaw	Back Jaw
203½	7.20	8.00	2.67	9.00	1.20	.90	3.00	10.00	1.80	1.80	2.00	20.00	20.00
204½	9.00	10.80	3.60	15.00	1.50	1.20	4.50	14.00	2.40	1.80	2.00	26.00	26.00
205	10.00	18.00	6.00	20.00	1.80	1.50	6.00	22.00	2.70	3.00	3.60	45.00	45.00
206	12.60	18.00	6.00	30.00	2.10	1.80	8.30	28.00	3.60	3.00	3.60	78.00	78.00

PART LIST FOR COLUMBIAN HINGED PIPE VISES



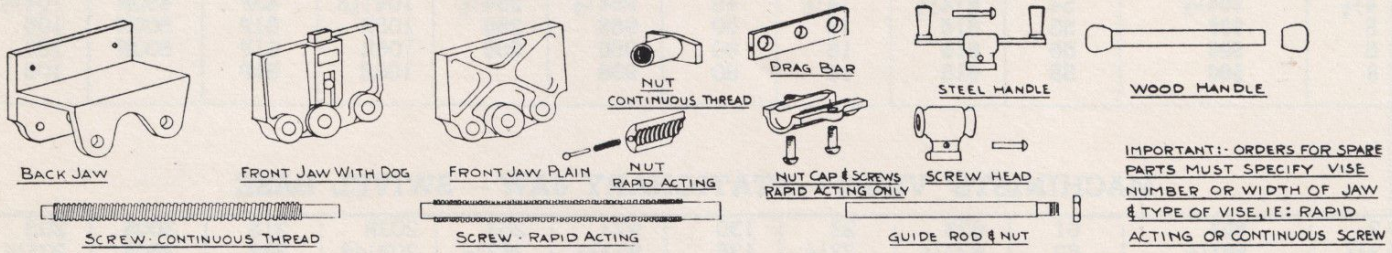
Vise No.	Pipe Jaws Complete Set(3)	Single Pipe Jaws Each	Slide or Jaw Clamp	Screw and Handle	Base	Frame	Hook or Latch
16X	3.90	1.30	.60	2.60	3.60	2.30	.60
160	4.50	1.50	.60	3.10	4.10	2.60	.80
161	5.40	1.80	.80	3.60	4.90	3.10	.90
162	6.60	2.20	1.20	5.60	7.20	4.60	1.30
163	9.30	3.10	1.70	7.70	10.80	6.80	1.90
164X	15.30	5.10	3.10	16.90	23.10	14.70	4.10
165X	19.75	6.55	6.40	29.40	41.00	26.05	7.55
166X	30.70	10.25	9.60	44.55	60.55	38.85	11.40

PARTS LIST

MAPLE FACES

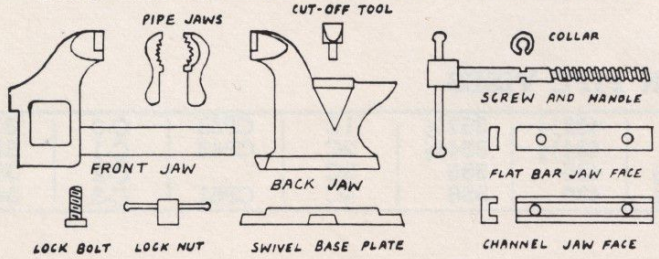
In Columbian Woodworkers' Vises back jaws are drilled and tapped so wood faces may be attached with flat head machine screws, without remounting vise. Maple faces protect the vise, prevent damage to edge tools from striking the metal faces. Add $3 to the list price of vises to be equipped with wood faces.

PART LIST FOR COLUMBIAN WOODWORKERS' VISES


BACK JAW
FRONT JAW WITH DOG
FRONT JAW PLAIN
NUT CONTINUOUS THREAD
NUT RAPID ACTING
DRAG BAR
NUT CAP & SCREWS RAPID ACTING ONLY
STEEL HANDLE
SCREW HEAD
WOOD HANDLE
SCREW · CONTINUOUS THREAD
SCREW · RAPID ACTING
GUIDE ROD & NUT
IMPORTANT:- ORDERS FOR SPARE PARTS MUST SPECIFY VISE NUMBER OR WIDTH OF JAW & TYPE OF VISE, IE: RAPID ACTING OR CONTINUOUS SCREW

Size Jaw	Nut for Continuous	Nut for Rapid Act.	Nut Cap and Screws	Screw Continuous	Screw Rapid Act.	Screw Head & Rivet	Wood Handle	Steel Handle	Drag Bar	Front Jaw Plain	Front Jaw with Dog	Back Jaw	Guide Rod & Nut
3 x 6	.80			2.00		.70	.40			2.00	3.00	3.50	1.00
4 x 7	1.80	2.25	.75	4.50	6.00	1.50	.75	2.25	.75	6.00	7.50	7.50	1.00
4 x 10	1.80	2.25	.75	6.00	7.50	2.25	.75	2.25	1.20	7.50	9.00	9.00	1.00

PART LIST FOR COLUMBIAN HOMESHOP VISES



Vise No.	Steel Jaw Face (Pair)	Pipe Jaws per Pair	Screw and Handle	Swivel Base Plate	Front Jaw	Back Jaw	Main Vise Nut	Lock Nut and Bolt
D-43 1/2	2.00	.75(c)	1.80	1.15	3.00	3.40	1.30	.45
D-44	2.40	1.15(c)	2.25	2.25	5.25	6.00	1.60	.50
D-45	3.50	—	3.00	3.00	6.00	7.50	2.00	.55
D-33 1/2	2.00	—	1.50	1.15	2.50	3.00	—	.45
D-53 1/2	—	—	1.25	—	2.00	2.00	—	—
D-63 1/2	—	—	1.50	1.15	1.80	2.25	—	.45

QUICK REFERENCE VISE CHART

WOODWORKERS' VISES

COLUMBIAN New	COLUMBIAN Old	Abernathy	American	Morgan	Parker	Prentiss	Richard Wilcox	Simplex	Wilton	Yost
7RPW 7RPT	1R	70	....	 100	....	....	430-1	W-7-P	73W 73	....
7RDW 7RDT	1RD	70D	204	.... 100A-18A	445W	335W	430S-1	W-7	63W 63	405 ....
10RPW 10RPT	9R	80	....	 200	....	....	430-2	W-10-P	74W 74	....
10RDW 10RDT	9RD	80D	203	.... 200A	446W	336W	430S-2	W-10	64W 64	400 ....
7CPW 7CPT	5C	S70	....	....	....	....	630-1	W-7-C	71W 71	....
7CDW 7CDT	5CD	S70D	204C	.... 10A	25W	15W	630S-1	W-7-CD	61W 61	....
10CPW 10CPT	3C	S80	....	 20	....	....	630-2	W-10-C	72W 72	....
10CDW 10CDT	3CD	S80D	203C	.... 20A	26W	16W	630S-2	W-10-CD	62W 62	....
7CDS	5CDS	....	....	210A	25S	15S	....	W-7-CDS	....	....
10CDS	3CDS	....	....	220A	26S	16S	....	W-10-CDS	....	....

QUICK REFERENCE VISE CHART

COLUMBIAN Vise catalog numbers and the catalog numbers of similar sizes and types of other manufacturers. Jaw widths are in inches and the closest corresponding size has been used in each case.

MACHINISTS' VISES — STATIONARY JAW — STATIONARY BASE

Jaw Width	**COLUMBIAN**	American	Athol	Hollands	Morgan	Parker	Prentiss	Reed	Simplex	Wilton	Yost
3	**503**	51	613	13	30	953	253	103R	31P	300N	103
3½	**503½**	52	613½	13½	35	953½	253½	103½R	33P	350N	103½
4	**504**	53	614	14	40	954	254	104R	41P	400N	104
4½	**504½**	54	614½	14½	45	954½	254½	104½R	43P	450N	104½
5	**505**	55	615	15	50	955	255	105R	51P	500N	105
6	**506**	56	616	16	60	956	256	106R	61P	600N	106
8	**508**	58	618	18	80	958	.....	108R	81P	.....	108

MACHINISTS' VISES — STATIONARY JAW — SWIVEL BASE

3	**603**	61	623	23	130	973	263	203R	31S	300S	203
3½	**603½**	62	623½	23½	135	973½	263½	203½R	33S	350S	203½
4	**604**	63	624	24	140	974	264	204R	41S	400S	204
4½	**604½**	64	624½	24½	145	974½	264½	204½R	43S	450S	204½
5	**605**	65	625	25	150	975	265	205R	51S	500S	205
6	**606**	66	626	26	160	976	266	206R	61S	600S	206
8	**608**	68	628	28	180	978	.....	208R	81S	.....	208

MACHINISTS' VISES — ADJUSTABLE JAW — SWIVEL BASE

3½	**403½**	75	643½	43½	335	383½	453½	403½R	33SJ	350SJ	43½
4½	**404½**	77	644½	44½	345	384½	454½	404½R	41SJ	450SJ	.....
6	**406**	79	646	46	360	386	456	406R	43SJ	600SJ	78

COMBINATION PIPE VISES

3½	**203½**	22	323½X	.....	87	433½	353½	1C	CP33	C-0	31C
4½	**204½**	23	324½X	53½	88	434½	354½	2C	CP43	C-1	32C
5	**205**	24	325X	54	288½	435	355	3C	.....	C-2	33C
6	**206**	25	326X	56	289½	436	356	4C	CP61	C-3	34C

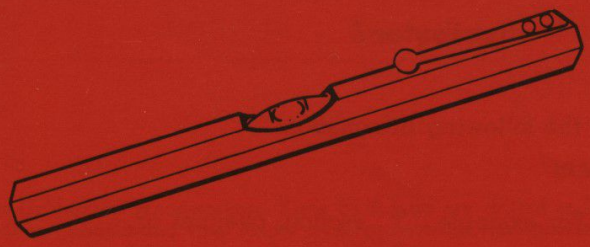
SHEET METAL WORKERS' VISE

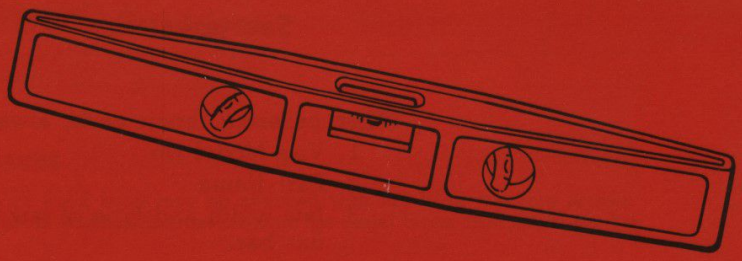
4½	**224½**	206	424½	264½	138	674½	.....	224½R	42CPS	.....	503

HINGED PIPE VISES

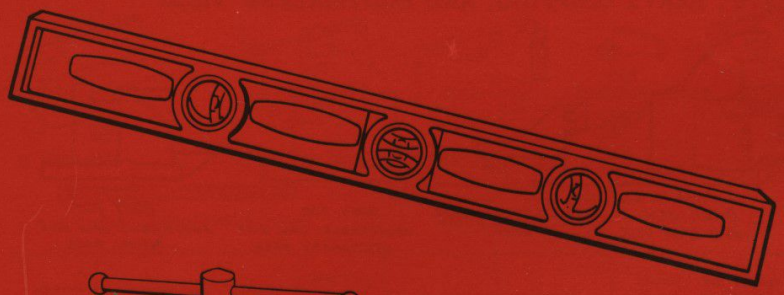
	Standard Vises					Heavy Duty Vises		
Capacity*	**1/8—1-1/2**	**1/8—2**	**1/8—2-1/2**	**1/8—3-1/2**	**1/8—4-1/2**	**1/8—6**	**1—8**	**1-1/2—12**
COLUMBIAN	**16X**	**160**	**161**	**162**	**163**	**164X**	**165X**	**166X**
American	....	2	3	4	5	....	....	....
Armstrong	....	70	71	72	73	74	75	....
Athol	....	212	212½	213½	214½	216	218	....
Capewell	231	232	233	234	135	136	....	....
Erie	....	0H	1H	2H	3H	4H	5H	6H
Hollands	....	01	02	03	04	64	65	66
Morgan	....	2M	4M	6M	8M	....	....	....
Nye	N00	N0	N1	N2	N3	....	....	....
Parker	....	180	181	182	183	....	....	....
Prentiss	....	190	191	192	193	....	....	....
Reed	00	0	1	2	3	64	65	66
Rigid	....	21	22	24	26	27	....	....
Simplex	....	12	12½	13½	14½	....	....	....
Toledo	....	....	22	....	25	....	....	....
Wilton	....	52	53	54	55	....	....	....
Yost	....	....	51	52	53	64	65	66

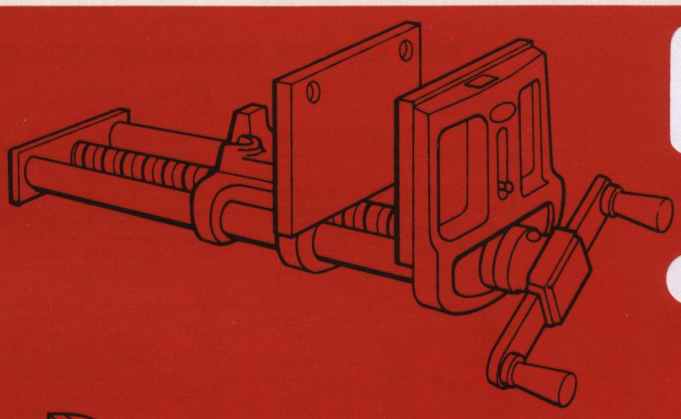
*Variations listed under nearest standard specification.

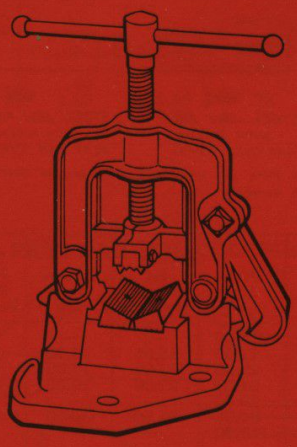


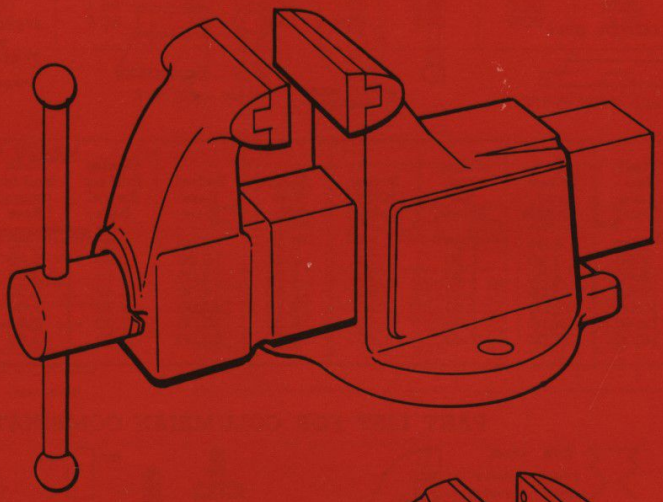


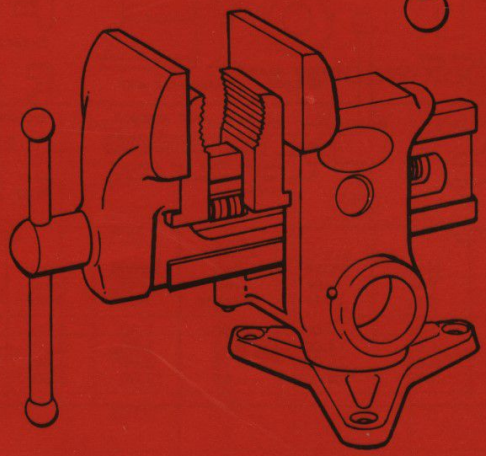
for best advice about **VISES** and **LEVELS** ... see your **COLUMBIAN** distributor

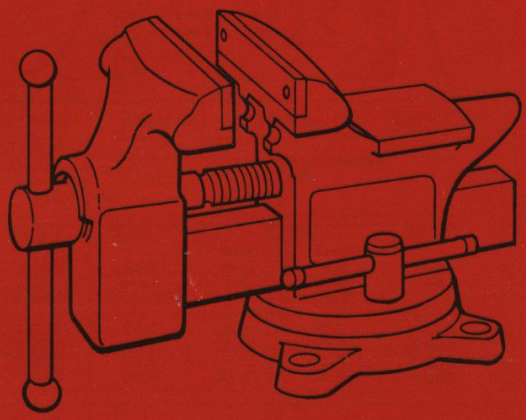












THE COLUMBIAN VISE & MFG. CO.

9021 Bessemer Ave.
Cleveland, Ohio 44104

Telephone: 341-2134

Copyright, 1965 . . The Columbian Vise & Mfg. Co.

3942-L

Litho in U.S.A.